

- On October 5, 1971 between 2:00 PM and 3:30 PM the writer visited the Sauget STP with the purpose of photographing the facility (Item 11). At the time of the visit the facility appeared to be operating properly.

- October 5, 1971 - Clear
Air temperature approximately 75° F.

- October 5, 1971 - Richard Peters, Operator of the Sauget STP, was informed that E. W. Merz was taking pictures of the STP and its various components.

- October 5, 1971 - E. W. Merz, I.E.P.A., DWPC - Surveillance
Richard Peters - Sauget STP - Operator

000058000000900480001569

0550

7. On both September 30, 1971 and October 5, 1971, the influent and effluent had Sauget's usual yellow color. This color could not be detected in the river, however, a brown-oily material (Item 3) was observed in the vicinity of the outfall on September 30, 1971.

A strong, unusual odor possibly resembling the odor of a mixture of phenol and alcohol, was present on both of the above dates.

8. a) Attachment #1
b) Attachment #2
c) E. W. Merz and J. E. KammueUer collected samples and filled out sample forms. J. E. KammueUer transported samples and sample forms to lab and gave them to R. Fraizer at approximately 3:00 PM on September 30, 1971.
9. As requested.
10. Not applicable.
11. Attachment #3
12. Mr. Ralph Congleton, Superintendent of Water and Sewage, Chester, Illinois was interviewed by telephone on October 7, 1971. Mr. Congleton operates Chester's water plant which has its outlet approximately 60 miles downstream from the Sauget STP. After explaining the purpose of the interview, Mr. Congleton expressed the opinion that he would not be against the issuance of a variance to Sauget because he felt the quality of water taken into the plant had increased in the last few years and at present was very satisfactory.

Chester City Hall - Telephone No. (618) 826-2326
Chester Water Plant - Telephone No. (618) 826-3315

Mr. Frank Ellis, Water Plant Operator at Menard Penitentiary was contacted by phone on October 7, 1971. Mr. Ellis declined to give an opinion and said he did not want to become involved.

13. The only operational and maintenance deficiency that should be noted is that on several occasions it has been reported that oil was observed to be discharging from the Sauget outlet. Correspondence detailing and related to those occasions are attached and labeled as Attachment #4.
14. The total Sauget file will be submitted by the Division office.

15. Additional Information

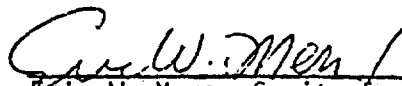
The Sauget sewage treatment facilities (Permit #1964-AA-324) has been operating since June 1966. The plant consists of two (2) primary sedimentation pits with skimming mechanisms and is capable of removing settleable and floating solids. The plant's design average flow is 32.0 MGD, the present average flow is 14.0 MGD. Those contributing waste to the facility are as follows:

Cerro Copper and Brass
Edwin Cooper, Inc.
Midwest Rubber Company
Monsanto Company
Rogers Cartage Company
Sterling Steel Casting Company
Village of Sauget (domestic)

The facility is operated by the Village of Sauget Sanitary Development and Research Association which employs properly certified operators and regularly submits complete monthly operational reports. The Association consists of the Village of Sauget plus the previously mentioned industries.

The Village contracted Monsanto Biodize Systems Inc. on August 15, 1970 to study the feasibility of various methods of secondary treatment. By operating a pilot plant Biodize has tentatively determined future treatment will basically consist of neutralization by lime and sulfide followed by filtration through activated carbon. The size of the facility is presently being considered by Biodize.

With exception of the isolated incidents of oil discharges as detailed under Item #13 the existing waste treatment has been operating satisfactorily.


Eric W. Merz, Sanitarian
Mississippi Direct Sub Unit
Surveillance Section

EWM/skv

006670